

## EAST Search History

| Ref # | Hits     | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|----------|--|--|------------------|---------|---------------------|
| L1    | 402      | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) with (threshold max min maximum minimum limit)                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>15:05 |
| L2    | 27735691 | @ad<"20031222"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>15:05 |
| L3    | 76       | 1 and 2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>15:06 |
| L9    | 406      | (assign\$4 allocat\$3 interleave\$3) with (subcarrier (sub adj carrier)) with (amount size) with (size amount)                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:33 |
| L10   | 76       | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) with (threshold max min maximum minimum limit) same (size amount) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:33 |
| L11   | 14       | 10 and 2   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:33 |
| L12   | 155      | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) same (threshold max min maximum minimum limit) same (size amount) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:37 |
| L13   | 26       | 12 and 2   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:37 |
| L14   | 347      | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) with (size amount)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:43 |
| L15   | 52       | 14 and 2   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/06/18<br>16:43 |

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| L16 | 286  | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier) subband (sub adj band)) same (threshold max min maximum minimum limit) same (size amount) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:00 |
| L17 | 1356 | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier) subband (sub adj band)) same (threshold max min maximum minimum limit)                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:00 |
| L18 | 705  | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier) subband (sub adj band)) with (threshold max min maximum minimum limit)                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:02 |
| L19 | 280  | 2 and 18  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:02 |
| L20 | 204  | 19 not 1  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:02 |
| L21 | 10   | 20 and ofdm   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:04 |
| L22 | 1984 | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) same (modulat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:06 |
| L23 | 335  | (assign\$4 allocat\$3 allot \$3) with (subcarrier (sub adj carrier)) same (modulat\$3) same (quality condition)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:06 |
| L24 | 88   | 23 and 2  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:06 |
| L25 | 198  | (assign\$4 allocat\$3 select\$3) with (subcarrier (sub adj carrier)) with (modulat\$3) with (quality condition)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:11 |
| L26 | 60   | 2 and 25  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:11 |

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| L27 | 123  | (assign\$4 allocat\$3 allot\$3 select\$3) with (subcarrier (sub adj carrier)) with (modulat\$3) with (quality)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:21 |
| L28 | 505  | (assign\$4 allocat\$3 allot\$3 select\$3) with (subcarrier (sub adj carrier)) with (quality)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:21 |
| L29 | 134  | 28 and 2   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:22 |
| L30 | 0    | 28 and 2 same (threshold max min maximum minimum limit)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:26 |
| L31 | 82   | (assign\$4 allocat\$3 allot\$3 select\$3) with (subcarrier (sub adj carrier)) with (quality) and (threshold max min maximum minimum limit) and 2   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>17:27 |
| L32 | 16   | ("5555257"   "5581597"   "5619503"   "5621720"   "5631898"   "5657358"   "5710798"   "5812955"   "5828661"   "5867478"   "5898904"   "5926479"   "5930679"   "5973613"   "6091932"   "6393294").<br>PN. OR ("7512409").<br>URPN. | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/06/18<br>17:59 |
| L33 | 2318 | 455/502.ccls. 455/103.<br>ccls. 455/447.ccls.<br>455/67.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>18:34 |
| L34 | 402  | 1 and 17   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/18<br>18:34 |
| S1  | 6    | ("20010024427"   "20010055296"   "20030096579").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>20:19 |
| S2  | 3    | (assign\$4 allocat\$3) with (common adj data) with (subcarrier (sub adj carrier))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>20:26 |
| S3  | 4    | (assign\$4 allocat\$3) with ((shared common mutual adj (information data)) with (subcarrier (sub adj carrier)))  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>20:32 |

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| S4  | 956      | (assign\$4 allocat\$3 interleav\$3) with (broadcast pilot common shared mutual) with (subcarrier (sub adj carrier))             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:16 |
| S5  | 413      | S4 and speed  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:16 |
| S6  | 342      | S5 and rate   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:17 |
| S7  | 27735688 | @ad< "20031222"   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:17 |
| S8  | 88       | S6 and S7   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:17 |
| S9  | 297      | S4 and threshold  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:22 |
| S10 | 70       | S7 and S9   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:22 |
| S11 | 10       | (assign\$4 allocat\$3 interleav\$3) with (subcarrier (sub adj carrier)) with (amount size) with threshold                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:35 |
| S12 | 2        | S7 and S11  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:35 |
| S13 | 45       | (assign\$4 allocat\$3 interleav\$3) with (subcarrier (sub adj carrier)) with (amount size) with (limit max min maximum minimum) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:37 |
| S14 | 7        | S7 and S13  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/06/17<br>23:37 |

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